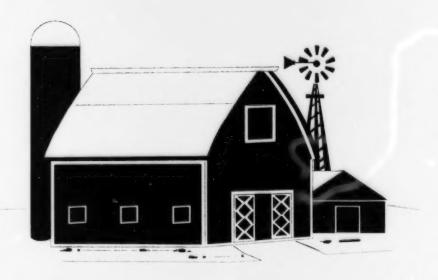


1996 Nova Scotia Farm Management Analysis Project



November 1997

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NOVA SCOTIA FARM MANAGEMENT ANALYSIS PROJECT

The Nova Scotia Farm Management Analysis Project, or FMAP, is designed to assist Nova Scotia farm managers develop their business management knowledge and skills.

FMAP provides farm managers with a farm planning tool from which data is gathered. The compiled data gives a comparative analysis with similar farm businesses as well as a complete financial and production summary of their own business. A year-to-year analysis of business performance improves the farm manager's ability to recognize and react to opportunities resulting from change.

In 1996, 147 individual farm businesses participated in the Farm Management Analysis Project. Participants ranged from smaller part-time businesses to large multi enterprise farms.

At present, the FMAP is available to all Nova Scotia dairy, beef, hog, mink and tree fruit producers.

For further information, contact Gerald Post, Farm Management Specialist at 902-893-6581 or GPost@gov.ns.ca.

Formulas Used To Calculate Financial Analysis

1. Liquidity

Current Ratio = Current Assets + Current Liabilities

- The current ratio measures the business' ability to meet financial obligations as they come due without disrupting normal operations.
- If the ratio is greater than 1, the business is considered to be liquid. A ratio of less than 1 may indicate a potential liquidity problem.

Working Capital = Current Assets - Current Liabilities

Working capital is the cash available to the business to meet financial obligations as they come due without disrupting normal operations.

2. Solvency

Percent Equity = Owner's Equity + Total Assets x 100%

Percent Equity is a measure of the owner's equity in the business. It measures the proportion of total assets financed by the owner of the business. A higher percentage indicates lower financial risk.

Debt to Equity = Total Liabilities + Owner's Equity

The debt to equity ratio is a measure of the extent to which creditors have financed the business compared to the owners. The higher the value of the ratio, the greater the proportion of financing that has been provided by creditors.

3. Profitability

Return on Assets = (Net Income + Interest - Value of Operator and Unpaid Family Labour) x 10 ÷ Average Total Assets for the Period.

Return on assets shows the business' ability to earn a return on its total assets. The higher the value, the greater the return on assets. The value of operator and unpaid family labour reflects the value in the local marketplace for similar work. This was assumed to be \$8.hr.

Return on Equity = (Net Income - Value of Operator and Unpaid Family Labour) x 100% - Average Owner Equity.

Return on equity provides a measure of the return to the owner on his/her investment in the business. The higher the percentage, the greater the return on equity.

Capital Turnover = Revenue ÷ Total Assets

This ratio indicates the extent to which a business utilizes its assets to generate revenue. A high ratio indicates efficient use of assets.

4. Financial Efficiency

Contribution Margin = Contribution Margin x 100% ÷ Revenue

The contribution margin percentage measures the financial efficiency of the business in terms of funds generated directly from operations. The higher the ratio, the more efficient the business.

Capital Replacement, Personal Exemption & Debt Servicing Margin = Net Income + Interest on Term Debt + Depreciation

This amount represents the dollars generated from operations that are viable to cover capital replacement, withdrawals for personal living expenses, and to make annual payments on all debt.

Dairy
Farm Business
Management
Analysis

Income Statement

	Total	Per Cow	Per HL
REVENUE			
Milk Sales	\$262,198	\$4,166	\$55.89
Milk Subsidies	7,389	117	1.58
Milk Premium	176	3	0.04
Livestock Sales	18,485	294	3.94
Crop Sales	5,138	82	1.10
Miscellaneous	22,993	365	4.90
TOTAL REVENUE	\$316,379	\$5,026	\$67.44
Less Cost of Goods Sold			
Beginning Inventory (Feed, Crops, Lvstk)	\$133,043	\$2,114	\$28.36
Feed & Supplements	63,505	1,009	13.54
Crop Expense	20,301	323	4.33
Livestock Purchase	4,646	74	0.99
Less Ending Inventory (Feed, Crops, Lvstk)	(141,129)	(2,242)	(30.08)
COST OF GOODS SOLD	\$80,365	\$1,277	\$17.13
GROSS MARGIN	\$236,014	\$3,750	\$50.31
OPERATING EXPENSES			
Milk Hauling	\$10,399	\$165	\$2.22
Vet and Medicine	4,790	76	1.0
Breeding	4,612	73	0.9
Dairy Supplies & Services	8,134	129	1.7
Milk Marketing Costs	8,659	138	1.8
Truck & Auto Expense	4,931	78	1.0
Custom Work	1,898	30	0.4
Hired Labour	26,990	429	5.7
Tractor & Machinery Repairs	15,903	253	3.3
Building & Fence Repairs	5,748	91	1.2
Utilities	7,211	115	1.54
Miscellaneous	4,569	73	0.9
TOTAL OPERATING EXPENSES	\$103,844	\$1,650	\$22.14
NET OPERATING INCOME	\$132,169	\$2,100	\$28.17
FIXED EXPENSES			
Rentals & Leases	\$4,507	\$72	\$0.96
Insurance & Taxes	7,520	119	1.60
Interest	30,680	487	6.5
Depreciation	30,682	487	6.5
TOTAL FIXED EXPENSES	\$73,389	\$1,166	\$15.64
NET INCOME (LOSS)	\$58,780	\$934	\$12.53

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Balance Sheet

		1996
CURRENT ASSETS Cash Accounts Receivable		\$2,626 11,135
Inventory (Note 1) Livestock Crops and Supplies	107,386 33,743	141,129
TOTAL CURRENT ASSETS		\$154,890
LONG TERM ASSETS Machinery & Equipment (Note 2) Land & Buildings (Note 2) Milk Quota Co-op Dairy Investment		\$89,695 180,237 158,976 47,986
TOTAL LONG TERM ASSETS		\$476,895
TOTAL ASSETS		\$631,785
LIABILITIES AND OWNER	e's EQUITY	
CURRENT LIABILITIES		\$30,476
LONG TERM LIABILITIES		362,657
TOTAL LIABILITIES		\$393,133
OWNER'S EQUITY		\$238,653
TOTAL LIABILITIES AND OWNER'S EQUITY		\$631,785

		Per Cow	Per HL
Total Assets	(\$)	10,037	135
Total Liabilities	(\$)	6,246	84
Fixed Expenses as % of Total Cost	(%)	28	28
Variable Expenses as % of Total Cost	(%)	72	72

- (1) Livestock inventory includes all breeding stock, market livestock and animals retained for replacements. Crops and supplies inventory includes all feed, fertilizer and supplies. Inventory values are based on an estimate of Fair Market.
- (2) Land is valued at its original cost. All depreciable assets are valued at cost less accumulated depreciation or book value. The book values are taken from the Capital Cost Allowance (CCA) schedules in the income tax returns.

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Financial Analysis

Financial Measure		1996	
1. Liquidity:			
Current Ratio		5.1	
Working Capital	(\$)	124,414	
2. Solvency:			
Percent Equity	(%)	38	
Debt to Equity Ratio	(%)	1.6	
3. Profitability			
Return on Assets	(%)	9.5	
Return on Equity	(%)	12.9	
Capital Turnover	(Times/Yr)	0.5	
4. Financial Efficiency			
Interest as % of Revenue	(%)	10	
Contribution Margin	(%)	42	
Capital Replace., Personal Exp. & Debt			
Servicing Margin	(\$)	117,750	

Production Management

(A) Milk Production					
Cash Expense	(\$)	235,003	Milk Receipts	(\$)	270,146
Depreciation	(\$)	30,682	Net Return	(\$)	9,920
Inventory Change	(\$)	(8,086)			
Interest on Equity (1)	(\$)	18,054	Average # of Cows	(hd)	63
Unpaid Family Labour	(\$)	3,598	Milk Sold per Farm	(HL)	4,691
Operator Labour (2) Less:	(\$)	27,591	Milk Sold per Cow	(L)	7,453
Sales (Excl. Milk)	(\$)	46,616			
Net Cost of Producing Milk	(\$)	260,226	Net Cost pr HL of Milk	(\$/HL)	55.47
(B) Production Analysis				Per Cow	Per HL
Feed Expense		(\$)		1,009	13.54
Crop Expense		(\$)		323	4.33
Machinery Expense (Excl.	- 1	(\$)		253	3.39
Depreciation)				1,584	21.25
Total Feed & Crop Expense		(\$)		5,167	69
Total Feedstuffs Used		(Kg)		2,045	2.7
Total Concentrate		(Kg)			
(C)Labour Analysis					
Hired Labour		(PE's)		0.9	
Unpaid Family Labour	1	(PE's)		0.2	
Number of Operators (3)		(PE's)		1.3	
Total Labour Units		(PE's)		2.4	
Hired Labour Expense		(\$/hr)		10.96	
Total Hired Labour Expenses		(\$)		26,990	
Cows Per P.E.		(hd)		26	
Milk Sold per P.E.		(HL/P.E.)		1,929	

⁽¹⁾ Interest on equity is assumed to be 5%.

⁽²⁾ A standard figure of \$21,000. for one P.E. per year is used.

⁽³⁾ One P.E. (Person Equivalent) is equal to 2600 hours of labour per year, i.e. 50 hours per week times 52 weeks per year. One operator was assumed to be equal to one person equivalent.

	10 Farms 70 Kgs. & Over	40 Farms 35-70 Kgs.	Average 30 Farms 0-35 Kgs.
Cows Per Farm (#)	132	64	39
Milk Sold Per Farm (HL)	10,475	4,899	2,582
Milk Sold Per Cow (L.	7,920	7,596	6,638
Milk Sold per Cow (\$		4,349	3,820
Purchased Feed Per Cow (\$	1.045	1,003	940
Purchased Feed Per HL Milk Sold (\$		13.20	14,016
Crop Expenses/HL Milk Sold (5)		4.65	4.0
Machinery Expense/HL Milk Sold (\$)		3.65	3.4
Total Feed & Crop Expense Per HL (\$		21.51	21.6
Hired Labour - Person Equivalents (#	1.9	1.0	0.5
Operator & Family Labour - Person	2.0	1.5	1.3
Milk Sold/Person Equivalents (L.		1,974	1,403
Cows/Person Equivalents (#)		26	21
Total Form Income	204 502	227 280	124 86
Total Farm Income (\$)		327,380	174,86
Total Farm Expense (\$		188,152	100,902
Net Farm Income (\$	165,884	56,994	28,186
Total Farm Income in \$/HL (\$)		66.83	67.72
Total Farm Expense in \$/HL (\$)	51.42	55.20	56.80
Net Farm Income in \$/HL (\$	15.84	11.63	10.92
Net Farm Income as % Of Sales (%)	23.5	17.4	16.
Variable Cost as % of Total Sales (%)	53.5	59.4	60.
Fixed Cost as % of Total Sales (%)	22.9	23.2	23.1
Total Assets (\$)	1,380,710	644,167	371,074
Total Liabilities (\$		439,447	257,21
Total Equity (5)		204,720	113,86
Equity in Farm Business (%)		31.8	30.
Return on Equity (%)		14.74	2.6
Return on Assets (%)		9.71	3.6
Capital Turnover (YRS)		0.5	0.
Total Assets Per HL. (\$)	132	132	14
Liabilities Per HL (\$)		90	10
Operating Expense Ratio (%)	57.3	63.2	63.
Operating Profit Margin Ratio (%)	21.0	18.4	11.
Total Liabilities/Gross Revenue	0.9	1.3	1.
Cost Control	23.5	17.4	16.
Degree of Leverage	2.03	1.75	1.6
Working Capital (\$)	265,272	130,496	71,65
Current Assets/Current Liabilities		3.8	4.
Total Assets/Total Liabilities	5.0 2.2	1.5	1.
Debt/Equity	0.9	2.1	2.
Earnings Available for Family			
Living; Income Taxes; Debt			
Repayment; New Investment (5)	300,752	120,532	63,50
Total Farm Revenue (\$)	704,507	327,380	174.86
Total Variable Expenses (5)		204,613	110,33
Contribution Margin (5)		132,991	69.74
Contribution Margin Fotal Fixed Expenses (5)	The second second	75,997	41,55
		56,994	28,18
Net Income (\$)			
Unpaid Labour (Person Equivalents) (#)		1.5	33,37
Family Living Expense (\$/PE)	50,250 115,634	36,619 20,376	(5,189

Management Factors		1996 80 Farms	1995 95 Farms	1994 104 Farms	1993 Average
Cows per Farm	(#)	63	57	59	6
Milk Sold per Farm	(HL)	4,727	4,193	4,159	4,27
Milk Sold per Cow	(L)	7,460	7,304	7,062	7,02
Milk Sold per Cow	(\$)	4,289	4,281	4,132	4,13
Purchased Feed per Cow	(\$)	999	876	825	80
Purchased Feed per HL Milk Sold	(\$)	13.40	11.99	11.68	11.4
Crop Expenses per HL Milk Sold	(\$)	4.24	4.16	3.43	3.5
Machinery Expense per HL Milk Sold	(\$)	3.39	3.18	3.05	3.2
Total Feed & Crop Expense per HL	(\$)	21.03	19.33	18.17	18.2
Hired Labour - Person Equivalents Operator & Family Labour - Person	(#)	0.9	8.0	0.9	0.
Equivalents	(#)	1.5	1.4	1.6	1.
Milk Sold per Person Equivalent	(HL)	1,950	1,850	1,703	1,75
Cows per Person Equivalent	(#)	26	25	24	2
Total Farm Income	(\$)	317,323	290,622	290,284	300,36
Total Farm Expense	(\$)	177,746	237,575	224,938	235,41
Net Farm Income	(\$)	59,793	53,047	65,345	64,94
Total Farm Income in \$/HL	(\$)	67.13	69.31	69.79	70.2
Total Farm Expense in \$/HL	(\$)	54.48	56.66	54.08	55.0
Net Frm Income in \$/HL	(\$)	12.65	12.65	15.71	15.1
Net Farm Income as % of Sales	(%)	18.8	18.3	22.5	21.
Variable Cost as % of Total Sales	(%)	57.9	60.3	58.5	59.
Fixed Cost as % of Total Sales	(%)	23.3	21.4	19.0	19.
Total Assets	(\$)	633,825	599,274	570,325	595,86
Total Liabilities	(\$)	395,645	320,522	319,445	299,25
Total Equity	(\$)	238,180	278,752	250,880	296,60
Equity in Farm Business	(%)	37.6	46.5	44.0	49.
Return on Equity	(%)	13.24	9.78	13.95	11.8
Return on Assets Capital Turnover	(%) (YRS)	9.72 0.5	8.24 0.5	9.96 0.5	9.1
Total Assets per HL	(\$/HL)	- 134	143	137	13
Liabilities per HL	(\$/HL)	84	76	77	7
Operating Expense Ratio	(%)	61.7	63.7	62.1	63.
Operating Profit Margin	(%)	18.8	17.34	18.92	19.3
Total Liabilities/Gross Revenue		1.2	1.1	1.1	1.0
Cost Control (Net Income/Total Expenses)	(%)	18.8	18.3	22.5	21.
Degree of Leverage (Contribution Margin/Fixed Expenses)		1.81	1.85	N/A.	N//
Working Capital	(\$)	125,277	101,777	110,306	115,21
Current Assets/Current Liabilities		4.2	4.4	4.8	N//
Total Assets/Total Liabilities	1	1.6	1.9	1.8	2.0
Debt/Equity		1.7	1.1	1.3	1.0

Swine
Farm Business
Management
Analysis

Farrow to Finish

Income Statement

REVENUE	Head Shipped	Total	Per Sow	Percent of Total Revenue
Market Hogs	3,271	\$532,013	\$2,440.43	77.59
Weanlings	724	40.691	186.66	5.93
Gilts - Breeding Stock	147	26,630	122.16	3.88
Boars - Breeding Stock	2	846	3.88	0.12
Cult Sows	101	20,091	92.16	2.93
Cull Boars	5	816	3.74	0.12
Other Hogs	43	4,217	19.34	0.61
TOTAL HOG SALES	***	625,305	2,868.37	91.19
Provincial Capital Assistance		23,824	109.29	3.47
Hog Assistance Programs		6,184	28.36	0.90
Other Income		26,445	121.31	3.86
TOTAL CURRENT INCOME		681,758	3,127.33	99.43
Value of Inventory Change		3,930	18.03	0.57
TOTAL REVENUE		\$685,688	\$3,145.36	100.00
VARIABLE EXPENSES				
Feed Purchased		\$368,621	\$1,690.92	53.76
Swine Purchased		32,860	150.73	4.79
Hired Labour		50,443	231.39	7.36
Bedding		972	4.46	0.14
Vet and Drugs		9,972	45.74	1.45
Hog Supplies		3,572	16.39	0.52
Risk Management Service		7,945	36.45	1.16
Marketing Costs		5,197	23.84	0.76
Utilities		19,254	88.32	2.81
Truck & Machinery*		14,301	65.60	2.09
Auto Expense		8,762	40.19	1.28
Interest - Operating		5,113	23.46	0.75
Professional Fees		2,207	10.13	0.32
Miscellaneous		2,451	11.24	0.36
Other Non-Hog Expenses		16,828	77.19	2.45
TOTAL VARIABLE EXPENSES		\$548,498	\$2,516.05	79.99
CONTRIBUTION MARGIN		\$137,190	\$629.31	20.01
FIXED EXPENSES				
Leases and Rentals		\$5.841	\$26.79	0.85
Building & Equipment Repairs		13,616	62.46	1.99
Depreciation		31.182	143.04	4.55
Interest - Term Loans		21,598	99.07	3.15
Taxes		2,674	12.27	0.39
Insurance		6,310	28.94	0.92
TOTAL FIXED EXPENSES		\$81,221	\$372.57	11.85
TOTAL EXPENSES		\$629,719	\$2,888.62	91.84
NET FARM INCOME (LOSS)		\$55,969	\$256.74	8.16

^{*} Truck and Machinery includes the hog shipping charges.

Balance Sheet

ASSETS	Ending	Beginning
Current Assets		
Cash On Hand	\$5,716	\$5,414
Accounts Receivable	14,649	12,460
Inventory Production Livestock	113,163	109,615
Feed Feed	19,787	21,683
Other Current Assets	12,033	13,150
TOTAL CURRENT ASSETS	\$165,347	\$162,322
Long Term Assets		
Breeding Livestock	\$60,385	\$58,107
Machinery & Equipment	56,057	60,960
Land & Buildings	221,638	240,603
Other Fixed Assets	24,863	17,544
TOTAL LONG TERM ASSETS	\$362,944	\$377,214
TOTAL ASSETS	\$528,291	\$539,536
TOTAL LIABILITIES AND OWNERS' EQUITY		
Current Liabilities	\$56,725	\$74,914
Long Term Liabilities	\$332,676	\$328,230
TOTAL LIABILITIES	\$389,401	\$403,144
Beginning Equity	\$136,392	
+ Net Income	55,969	
- Withdrawal's	(53,471)	
OWNER'S EQUITY	\$138,890	\$136,392
TOTAL LIABILITIES AND OWNERS' EQUITY	\$528,291	\$539,536

Financial Analysis

Financial Measure	Ending	Beginning
1. Liquidity: Current Ratio Working Capital	2.91 108622	2.17 87408
2. Solvency: Percent Equity Debt/Equity Ratio Assets per Sow Debt per Sow	26.3 2.80 2423 1786	25.3 2.96
3. Profitability: Return on Assets Return on Equity Capital Turnover	15.5 40.7 1.30	
4. Financial Efficiency Interest as % of Revenue Term Debt Coverage Ratio	3.9 5.4	

Enterprise Analysis Per Pig Weaned Or Finished

Pigs Transferred or Marketed	Pigs Weaned	Hogs Finished	
Farrowing Finishing	4397	3495	
RETURNS BY ENTERPRISE Market Value* Cull Sales	56.23 4.76	162.80	
Program Payments Change in Hog Inventory	0.50	8.59 1.04	
COST OF SALES			
Feed Swine Purchased/Transfer Value**	29.74 7.59	69.04 64.23	
TOTAL COST OF SALES	\$37.33	\$133.27	
GROSS MARGIN	\$24.15	\$39.15	
OPERATING EXPENSES Labour - Hired	6.63 3.45 0.17 1.40 0.46 0.00 2.87 0.63 0.72 0.47 0.26	6.10 2.23 0.06 1.10 0.45 3.76 1.90 3.30 1.60 0.87 0.38	
TOTAL OPERATING EXPENSES	\$17.06	\$21.75	
CONTRIBUTION MARGIN	\$7.09	\$17.40	
FIXED EXPENSES Taxes Insurance Leases and Rentals Building & Equipment Repairs Depreciation Interest - Term Loans	0.32 0.74 0.57 1.65 3.93 2.63	0.36 0.87 0.95 1.82 3.98 2.87	
TOTAL FIXED EXPENSES	\$9.84	\$10.85	
TOTAL FARM EXPENSES	\$64.23	\$165.87	
NET RETURN TO ENTERPRISES	(\$2.75)	\$6.55	

Market value of a weaner sold.
 Higher of market value or cost of a weaner entering the finishing operation.

Production Analysis

(A) Cost of Production	Total	Per Sow
Total Farm Expenses	\$629,719	\$2,888.62
Plus: Adj. for Livestock Inventory Change	(3,548)	(16.27)
Less: Non Hog Expenses	16,828	77.19
Cull Sales	20,908	95.91
Hog Purchases	4,914	22.54
Total Costs	\$583,523	\$2,753.90
Total Kgs. of Market Hog Equivalents (L.W.)	362604	
Average Cost of Production (L.W.)	\$1.61	
Average Cost of Production (D.W.)	\$2.01	

(B)Inventory Flow	Boars	Sows	Piglets	Production Stock*
Beginning Inventory	10	217	322	1,544
+ Purchases/Births	4	79	4,962	92
+ Transfers In	3	32		4,331
+ Transfers Out			4,331	32
- Sales	5	101		4,187
- Deaths		6	637	210
- Ending Inventory	11	220	315	1,490
Discrepancy	0	0	0	48

Farrowing Unit			
Pigs Born	5,303		
Pigs Born Alive	4,962	Pigs Weaned	4,331
Still Births (#)	341	Suckling Mortality (#)	637
Still Births (%)	6.4	Suckling Mortality (%)	12.8
Breeding Herd Performance		Average # of Boars	10.3
Number of Litters	467	Sows per Boar	21.2
Average Number of Sows	218	Pigs Born per Sow	24.3
Litters per Sow	2.14	Pigs Born Alive per Sow	22.8
Pigs Born Per Litter	11.3	Pigs Weaned per Sow	19.9
Pigs Born Alive/Litter	10.6	Sow Mortality	(
Pigs Weaned/Litter	9.3	Sow Cull Rate	46.4
Market Equivalents/Sow	19.3		
Weaner & Finishing Unit		Inventory Discrepancy	
Weaner & Feeder Hog Mortality		Number	48
Number	210	Percent	1.1
Percent	4.8		

^{*} Production Stock includes Weaners, Feeders and Breeding Stock.

Management Analysis

(D) Labour		
Labour Person Equivalents	(#)	3.58
Hogs Produced per Person (L.W.)	(Kgs)	101,215
Gross Farm Income per Person	(\$)	191,399
Sows Kept Per Person*	(#)	61
Total Pigs Produced per Person	(#)	1,173
Net Income per Person - Unpaid	(\$)	62,361

(E) Feed Usage Analysis	
Sow Ration Fed per Sow & Boar	. 1,029
Total Feed per Sow	5,14
Feed Cost/100 Kgs. D.W. Hog Produced	123.78
Feed Conversion - Creep, Starter & Grower	2.4
Feed Conversion - Total Feed (L.W.)	3.10

FARROWING UNIT (PER WEANER PIG TRANSFERRED TO FINISHING OR SOLD)

	Kgs. Per Head	Dollars Per Head	Cost Per Tonne Fed
Creep Starter Sow & Boar Feed Total Feed per Pig Weaned	3.35 28.11 53.40 84.86	2.55 10.78 16.41 29.74	761.25 383.56 307.30
FINISHING UNIT (PER HOG MARKETED)			
Starter Grower Total Feed per Finished Hog	5.89 207.57 213.45	2.26 66.78 69.04	383.56 321.73
TOTAL FEED (FARROW TO FINISH)	298.31	99.02	331.93

^{*} One PE (Person Equivalent) is equal to one full time person for one year.

Market Analysis

(F) Market Analysis		
Ave. L.W. of Market Hogs Sold	(Kgs)	99.75
Average D.W. per Market Hog	(Kgs)	79.80
Average Carcass Grade Index		107.79
Average Market Price For Your Operation		2.05
Market Return per Hog Marketed		163.78
Support Payment for Market Hog		8.03
Total Return per Market Hog		171.81
Weaner Price Received	(Per Weaner)	56.23
Breeding Stock Sale Prices		
Gilts		180.91
Boars		423.00

Swine
Farm Business
Management
Analysis

Finishing

Income Statement

Revenue	Head Shipped	Total	Per Sow	Percent Of Total Revenue
Market Hogs	3820	631283	164.68	90.2
Other Hogs	14	981	0.26	0.1
TOTAL HOG SALES		632264	164.93	90.3
Provincial Cap.	1	24982	6.52	3.6
Hog Assistance Programs		8150	2.13	1.2
Other Income		14331	3.74	2.0
TOTAL CURRENT INCOME		679727	177.31	97.1
Value of Inventory Change		20419	5.33	2.9
TOTAL REVENUE		700146	182.64	100.0
VARIABLE EXPENSES				
Feed Purchased		298723	77.92	42.7
Swine Purchased		230916	60.24	33.0
Hired Labour		16796	4.38	2.4
Bedding		29	0.01	0.0
Vet and Drugs		1895	0.49	0.3
Hog Supplies		1210	0.32	0.2
Marketing Costs		7288	1.90	1.0
Risk Management Service		9384	2.45	1.3
Utilities		6628	1.73	0.9
Truck & Machinery Expense		3952	1.03	0.6
Auto Expense		4865	1.27	0.7
Professional Fees		1522	0.40	0.2
Lease & Rental		11827	3.09	1.7
Interest - Operating		3218	0.84	0.5
Miscellaneous		1376	0.36	0.2
Other Non-Hog Expenses		1510	0.39	0.2
TOTAL VARIABLE EXPENSES		601137	156.81	85.9
CONTRIBUTION MARGIN		99009	25.83	14.1
FIXED EXPENSES				
Building & Equipment Repairs		8270	2.16	1.2
Depreciation		27230	7.10	3.9
Interest - Term Loans		14075	3.67	2.0
Taxes		1934	0.50	0.3
Insurance		2945	0.77	0.4
TOTAL FIXED EXPENSES		54453	14.20	7.8
TOTAL EXPENSES		655590	171.02	93.6
NET FARM INCOME (LOSS)		44556	11.62	6.4

^{*} Truck and Machinery includes the hog shipping charges.

Balance Sheet

Assets	Ending	Beginning
Current Assets Cash On Hand Accounts Receivable Inventory	157 8891	(412) 6261
Livestock 126009 Feed 46553 Other Current Assets		152142 2167
TOTAL CURRENT ASSETS	183776	160158
Long Term Assets Machinery & Equipment Land & Buildings Other Fixed Assets	77461 142645 15503	61983 139955 5155
TOTAL LONG TERM ASSETS	235609	207092
TOTAL ASSETS	419384	367250
TOTAL LIABILITIES AND OWNERS' EQUITY Current Liabilities Long Term Liabilities	74275 187225	66065 158511
TOTAL LIABILITIES	261500	224575
Beginning Equity + Net Income - Withdrawals	142675 44556 (29347)	
OWNERS' EQUITY	157885	142675
TOTAL LIABILITIES AND OWNERS' EQUITY	419384	367250

Financial Analysis

Financial Measure	Ending	Beginning
Liquidity: Current Ratio	2.47	2.42
Working Capital	\$109501	2.42 \$94093
2. Solvency:		
Percent Equity	38%	39%
Debt/Equity Ratio	1.7	1.6
Debt per Market Hog Equivalent	\$63.68	
3. Profitability:		
Return on Assets*	12.4%	
Return on Equity	21.0%	
Capital Turnover	1.67	
4. Financial Efficiency		
Interest as % of Revenue	2.5%	
Contribution Margin	14.1%	
Term Debt Coverage Ratio	N/A	

Production Analysis

(A) Cost Of Production	Total	Per Market Hog	
Total Farm Expenses	655590	171.77	
Less: Other Income	1510	0.40	
Plus: Adj. for Inventory Change	(20419)	(5.35)	
Return on Owners' Equity (@5%)	11081	2.90	
Unpaid Operator & Family Labour	12950	3.39	
Total Costs	657692	172.32	
Total Kgs. of Pork Produced (Kgs. L.W.)	380990	100	
Average Cost of Production (\$/Kg. D.W.)	\$2.16	\$2.16	

(B) Market Analysis		
Ave. D.W. per Market Hog	(Kgs)	80.02
Average Carcass Grade Index	(Kgs)	108.0
Average Market Price for Your Operation	(\$/Kg)	\$2.07
Market Return per Hog Marketed		\$165.27
Support Payment per Market Hog		7.68
Total Return per Market Hog		\$172.95
Average Total Return for Your Operation	(\$Kg)	\$2.16

^{*} Production Stock includes Weaners, Feeders and Breeding Stock.

(C) Feed Use			
Feed Cost/Kg Produced (L.W.)		(\$/Kg)	0.75
Feed Cost/100 Kgs of Gain (D.W.)		(\$/100 Kg)	93.68
Feed Cost/100 Kgs of Gain (L.W.)		(\$/100 Kg)	74.94
Feed Conversion - Starter & Grower		(Feed/Gain)	2.48
		,	Cost Per
	Kgs. Per	Dollars	Tonne
	Hog	Per Hog	Fed
Starter Ration	41	14.29	347.23
Grower Ration	207	60.52	292.78
Total Feed	248	74.81	

(D) Labour		
Labour Person Equivalents	(#)	1.4
Production per Person (L.W.)	(Kgs)	278773
Gross Farm Income per Person	(\$)	512302
Net Income per Person Equivalent	(\$)	32602
Market Hog Equivalents Per Person	(#)	2793

^{*} One PE (Person Equivalent) is equal to one full time person for one year.

Production Analysis

(E) Inventory			
Purchases of Weaners	(Hd)	3886	
Feeder Hog Mortality	(Hd)	86	2.26%
Inventory Discrepancy	(Hd)	0	
Market Hog Equivalents*	(Hd)	3817	
Inventory Change	(Hd)	(34)	
Market Hogs Sold	(Hd)	3820	

^{*} Note: Market Hog Equivalents = Market Hogs Sold + Other Hogs Sold + (Ending Inventory - Beginning Inventory) + 2.

Swine
Farm Business
Management
Analysis

Sow-Weanling

Income Statement

Revenue	Head Shipped	Total	Per Sow	Percent Of Total Revenue
Weanlings	3770	221307	1168.73	58.70
Market Hogs	70	11880	62.74	3.15
Cull Sows	66	12706	67.10	3.37
Cull Boars	4	654	3.46	0.17
Other Hogs	5	572	3.02	0.15
TOTAL HOG SALES		247120	1305.05	65.55
Provincial Cap.		494	2.61	0.13
Hog Assistance Programs	- 1	2944	15.55	0.78
Other Income		2816	14.87	0.75
TOTAL CURRENT INCOME		253374	1338.08	67.21
Value of Inventory Change		577	3.05	0.15
TOTAL REVENUE		253951	1341.12	67.36
VARIABLE EXPENSES				
Feed Purchased		101450	535.76	26.91
Swine Purchased		19153	101.15	5.08
Hired Labour		17244	91.06	4.57
Bedding		1207	6.38	0.32
Vet and Drugs		6315	33.35	1.67
Hog Supplies		3871	20.44	1.03
Marketing Costs		269	1.42	0.07
Utilities		9534	50.35	2.53
Truck & Machinery Expense		2061	10.88	0.55
Auto Expense		2624	13.86	0.70
Interest - Operating		1318	6.96	0.35
Miscellaneous		2492	13.16	0.66
Other Non-Hog Expenses		0	0.00	0.00
TOTAL VARIABLE EXPENSES		167538	884.77	44.44
CONTRIBUTION MARGIN		86413	453.30	22.77
FIXED EXPENSES				
Rental / Lease / Custom Work		1215	6.41	0.32
Building & Equipment Repairs		7967	42.08	2.11
Depreciation		16032	84.67	4.25
Interest - Term Loans		11298	59.67	3.00
Taxes		1345	7.10	0.36
Insurance		1911	10.09	0.51
TOTAL FIXED EXPENSES		39768	210.02	10.55
TOTAL EXPENSES		207306	1094.79	54.99
NET FARM INCOME (LOSS)		46645	246.33	12.37

^{*} Truck and Machinery includes the hog shipping charges.

Balance Sheet

Assets	E	nding	Beginning
Current Assets Cash On Hand Accounts Receivable Inventory		3988 2671 24412 7847	3195 1436
Livestock Feed Other Current Assets	22791 1621		26286 5485
TOTAL CURRENT ASSETS		38919	36401
Long Term Assets Breeding Livestock Machinery & Equipment Land & Buildings Other Fixed Assets		52050 32985 112494 9986	50500 33967 119995 7574
TOTAL LONG TERM ASSETS		207515	212037
TOTAL ASSETS		246434	248438
TOTAL LIABILITIES AND OWNERS' EQUITY Current Liabilities Long Term Liabilities		27604 144629	26226 146006
TOTAL LIABILITIES		172232	172232
Beginning Equity + Net Income - Withdrawals		76206 46645 (48650)	
OWNERS' EQUITY		74201	76206
TOTAL LIABILITIES AND OWNERS' EQUITY		246434	248438

Financial Analysis

Financial Measure	Ending	Beginning
1. Liquidity:		
Current Ratio	1.4	1.4
Working Capital	\$12693	\$10175
2. Solvency:		
Percent Equity	30.1%	30.7%
Debt/Equity Ratio	2.3	2.3
Assets per Sow	\$1295	\$1318
Debt per Sow	\$905	\$914
3. Profitability:		
Return on Assets*	14.7%	
Return on Equity	33.5%	
Capital Turnover	0.97	
4. Financial Efficiency		
Interest as % of Revenue	5.0%	
Contribution Margin	34.0%	
Term Debt Coverage Ratio	N/A	

Production Analysis

(A) Cost Of Production	Total	Per Market Hog
Total Farm Expenses	207306	1094.79
Plus: Adj. for Lvstk. Inventory Change	(577)	(3.05)
Less: Cull Sales	13360	70555
Hog Purchases	687	3.63
Total Costs	192682	1017.56
Total Kgs. of Weaner Produced (Kgs. L.W.)	75220	397
Average Cost of Production: Per Kilogram	\$2.56	
Per Weaner	\$50.40	

(B) Inventory Flow	Boars	Sows	Piglets	Production Stock*
Beginning Inventory	8	188	280	403
+ Purchases/Births	4	60	4442	11
+ Transfers In		16		3890
+ Transfers Out	1 1		3890	16
- Sales	4	66		3841
- Deaths		8	552	55
- Ending Inventory	9	190	279	364
Discrepancy	(1)	0	0	28

^{*} Production Stock includes Weaners, Feeders and Breeding Stock.

(C) Livestock Production Analysis			
Farrowing Unit			
Pigs Born	4713		
Still Births (#)	271.6	Suckling Deaths	552
Still Births (%)	5.8	Suckling Mortality	12.4
Pigs Born Alive	4442	Pigs Weaned	3890
Breeding Herd Performance			
Number of Litters	421	Average # of Boars	8.2
Average Number of Sows	189	Sows per Boar	23.1
Litters per Sow	2.2	Sow Cull Rate	35.0
Pigs Born per Litter	11.2	Born per Sow	24.9
Pigs Born Alive per Litter	10.6	Born Alive per Sow	23.5
Market Equivalents per Sow	20.2	Weaned per Sow	20.5
Weaner & Finishing Unit			
Weaner & Feeder Hog Mortality		Inventory Discrepancy	
Number	55	Number	28
Percent	1.4	Percent	0.7

(D) Livestock Analysis		
Average L.W. per Weanling Sold	(kg)	18.63
Market Return per Weaner	(\$)	58.70

(E) Labour		
Labour Person Equivalents	(#)	1.86
Weaners Produced Per Person	(Kgs)	40,348
Weaners Produced Per Person	(#)	2,051
Sows Kept Per Person*	(#)	102
Gross Farm Income Per Person	(\$)	136,219

^{*} One PE (Person Equivalent) is equal to one full time person for one year.

(F) Feed Analysis			
Farrowing Unit (Per Weaner Pig Transferred to Finishing or Sold			
	Kgs	Dollars	Per Tonne
Creep Feed	1.28	\$1.06	\$828
Starter	17.97	7.73	\$430
Sow & Boar Feed	54.30	16.17	\$298
Total Feed	73.55	\$24.96	
Feed per Sow & Boar	1051.00	\$312.98	

Mink
Farm Business
Management
Analysis

Income Statement

	Total	Per Breeding Female*	Per Mink Produced**
REVENUE			
Pelt Sales (Note 1)	185930	130.15	41.59
Breeding Stock	5979	4.19	1.34
Other Mink Sold	0	0.00	0.00
Feed Sales	5106	3.57	1.14
Subsidies	13	0.01	0.00
Miscellaneous	3892	2.72	0.87
Adjustment for Inventory Change	24558	17.19	5.49
TOTAL REVENUE	225478	157.83	50.43
VARIABLE COSTS			
Breeding Stock Purchases	3666	2.57	0.82
Other Mink Purchased	0	0.00	0.00
Feed & Supplements	59941	41.96	13.41
Vet & Medicine	2402	1.68	0.5
Supplies	2419	1.69	0.5
Marketing	12022	8.42	2.69
On-Farm Pelting	7175	5.02	1.60
Custom Pelting	7459	5.22	1.67
Hired Labour (Non-Pelting)	45022	31.52	10.03
Truck & Machinery - Fuel & Repairs	10058	7.04	2.2
Building Repairs	6198	4.34	1.39
Utilities	4636	3.24	1.04
Interest on Operating Loans	5354	3.75	1.20
Other Cash Operating Costs	5003	3.50	1.12
TOTAL VARIABLE COSTS	171356	119.95	38.33
CONTRIBUTION MARGIN (Note 2)	54122	37.89	12.11
FIXED COSTS			
Term Leases & Rentals	1109	0.78	0.2
Insurance & Taxes	1998	1.40	0.4
Interest on Long-Term Debt	2080	1.46	0.4
Depreciation	13705	9.59	3.0
TOTAL FIXED COSTS	18892	13.22	4.2
TOTAL COSTS	190248	133.17	42.5
NET INCOME (LOSS) (Note 3)	35231	24.66	7.8

Number of females is determined by averaging the beginning and ending number of females.

Note 1: All US dollars were converted into Canadian dollars using the actual exchange that the producer received at the time of payment.

Note 2: Contribution Margin: Total farm cash revenues less total farm variable costs. This is the amount available to cover fixed costs and profit.

Note 3: Net Income = Return to operator and unpaid family labour, management and equity capital.

^{**} The number of mink produced equals total pelt sales + breeding stock sales + other mink sales + ending inventory of breeding stock and pelt carry over - beginning inventory of breeding stock and pelt carry over.

Balance Sheet

ASSETS		
	1996	1995
CURRENT ASSETS Cash Accounts Receivable (Note 1) Inventory (Note 2) Mink, Pelts 11.774	21072 173086	4289 183928
Feed 1,790 Other Current Assets	13564 5304	7923 6879
TOTAL CURRENT ASSETS	213026	203018
LONG TERM ASSETS Breeding Stock Machinery & Equipment (Note 3) Land, Buildings, and Pens (Note 3) Other Fixed Assets	130594 56318 55211 3163	111677 50097 45334 11454
TOTAL LONG TERM ASSETS	245285	218562
TOTAL ASSETS	458311	421580
LIABILITIES AND OWNER'S E	QUITY	
CURRENT LIABILITIES (Note 4) LONG TERM LIABILITIES	85386 85418	47436 94645
TOTAL LIABILITIES	170804	142081
OWNER'S EQUITY	287507	279500
TOTAL LIABILITIES AND OWNER'S EQUITY	458311	421580

Notes:

- Note 1: For purposes of this study, current income and expenses are recorded on an accrual basis. The pelts which were produced in the current year are sold at the sale the following year. These pelts appear as income in the current year and as accounts receivable at the fiscal year end. When payment is received for the pelts, it is debited to the cash account with a corresponding reduction in accounts receivable.
- Note 2: Livestock inventory includes all pelts that were carried over from the previous year. Crops and supplies inventory includes all feed, and supplies on hand at year-end. Inventory values are based on Fair Market Value at fiscal year end.
- Note 3: All depreciable assets are valued at "cost less accumulated depreciation", or book. Land is valued at its original cost or acreage x \$200. per acre.
- Note 4: Current Liabilities include all debts that are due within one year, including the current portion of long term debt.

Financial Analysis

Financial Measure			1996	1995
1.	Liquidity:			
	Current Ratio		2.49	4.28
	Working Capital	(\$)	127640	155582
2.	Solvency:			
	Percent Equity	(%)	62.7	66.3
	Debt to Equity Ratio	(%)	0.59	0.51
3.	Profitability:			
	Return on Assets	(%)	3.9	24.6
	Return on Equity	(%)	4.3	32.8
	Capital Turnover	(YRS)	2.03	1.68
4.	Financial Efficiency:			
	Interest as % of Revenue	(%)	3.30	3.51
	Contribution Margin Ratio	(%)	0.24	0.54
	Disposable Income	(\$)	26457	108569
5.	Miscellaneous Financial Analysis	:		
	Total Assets (\$ per breeder female)	320.82	295.11
	Total Liabilities (\$ per breeder fen	nale)	119.56	99.46

Management Analysis

Livestock Production						
Pelts Sold	(#)	3917	Pelts Produced p	er Female	(pl/hd)	3.
Breeding Stock Sold	(hd)	66	Breeder Females		(hd)	142
Other Mink Sold	(hd)	0	Breeder Males H	loused	(hd)	30
Number of Pelt Sales per Breed	ler		Females per Mal	le	(hd)	4.
Female	(pl/hd)	2.7	Total Milk Produ	iced	(hd)	447
Labour Analysis						
Hired Labour Units (2)	(PE's)	1.9	Hired Labour Ex		(\$)	4970
Unpaid Family Labour Units	(PE's)	0.2	Hired Labour W		(\$/hr)	10.1
Number of Operators (3)	(PE's)	1.1	Pelting Labour E		(\$)	468
Total Labour Units	(PE's)	3.1	Breeder Females	Per Person	.2.5	
Milk Produced per Person	(hd)	1441	Equivalent		(hd)	46
Analysis of Sales						
Average Price Of:			Pelt Size As A F	ercentage of To	tal Pelts	
Dark Male Pelts	(\$)	48.00			Male	Female
Dark Female Pelts	(\$)	47.96	(0/1)		45.2	0.
All Dark Pelts	(\$)	47.98	2		6.7	0.
Mutations	(\$)	37.01	3		0.8	38.
Breeder Pelts	(\$)	30.75	4		0.1	8.
			5		0.5	0.
			Total		53.1	47.
Pelt Quality					Male	Female
Male Pelts	(%)	51.1	Select Maj/BlGla	ma	58.2	66.
Female Pelts	(%)	46.7	Majestic/Glama		17.6	13.
Breeder Pelts	(%)	2.1	Mutations		2.0	1.
Total	(%)	100.0	Standard/Low Gr	rade	22.2	18.
			Total		100.0	100.
Net Cost of Production			Per Farm	Per Female	-	Mink
Total Cash Expenses			\$176542	\$123.58		\$39.49
Plus: Depreciation			13705	9.59		3.07
Inventory Change (Fee			1105	0.77		0.25
Interest on Average Eq			17010	11.91		3.80
Unpaid Family Labour			3120	2.18		0.70
Operator Labour			22286	15.60		4.98
Less: Other Income			8998	6.30		2.01
Net Cost of Producing Min	K		\$224770	\$157.34		\$ 50.27

⁽¹⁾ The number of breeder males and the number of breeder females is determined by averaging the beginning and ending number of males or females kept for breeding.

Tree Fruit
Farm Business
Management
Analysis

Income Statement

	# Bushels	Total \$'s	S's Per Bushel	% of Total
Fresh Apple Sales	11738	74803	3.28	59.66
U-pick Apple Sales	151	1160	0.05	0.93
Processed Apples	4762	21835	0.96	17.42
Juice/cider Apples	6134	16807	0.74	13.41
Total Apples Sales	22785	\$114605	\$5.03	91.41
Tripartite Stabilization Income		385	0.02	0.31
Crop Insurance Income		0	0.00	0.00
Rootstalk/Tree Subsidies		1173	0.05	0.94
Other Apple Subsidies		49	0.00	0.04
Misc. Apple Income		568	0.02	0.45
Other Apple Revenue		\$2175	\$0.10	1.73
Other Tree Fruits		2343	0.10	1.87
Other Crops		3081	0.14	2.46
Miscellaneous Income		3169	0.14	2.53
Total Non-Apple Revenue		\$8593	\$0.38	6.85
Total Farm Revenue		\$125373	\$5.50	100.00

Statement of Expenses

	Total S's	S's Per Bushel	% of Total
Harvesting Labour	23148	1.02	17.69
Other Labour	26166	1.15	20.00
Spray: Herbicides	1229	0.05	0.94
Insecticides	4937	0.22	3.77
Fungicides	10883	0.48	8.32
Other	1190	0.05	0.91
Fertilizers & Lime	2166	0.10	1.66
Containers & Bins	1833	0.08	1.40
Rootstalk & Trees	1921	0.08	1.47
Bee Rental	2278	0.10	1.74
Other Orchard Expenses	459	0.02	0.35
Fuel & Lubricants	1749	0.08	1.34
Tractor & Machinery Repair	3516	0.15	2.69
Truck & Vehicle Expense	4849	0.21	3.71
Building & Bin Repair	1893	0.08	1.45
Custom Work & Trucking	2424	0.11	1.85
Specialized Services	2712	0.12	2.07
Rental Expense	529	0.02	0.40
Office Expense	2951	0.13	2.26
Utilities	612	0.03	0.47
Crop Insurance	2000	0.09	1.53
Other Insurance	2177	0.10	1.66
Tripartite Premiums	2065	0.09	1.58
Fees & Licenses	753	0.03	0.58
Property Taxes	804	0.04	0.61
Interest Expense: Operating	2336	0.10	1.79
Interest Expense: Operating	5192	0.23	3.97
Miscellaneous Expense	2498	0.11	1.91
Total Apple Related Expenses	\$115270	\$5.06	88.10
Other Tree Fruits Expense	539	0.02	0.41
Other Crops Expense	599	0.03	0.46
Miscellaneous Non-Apple	2680	0.12	2.05
Total Non-Apple Expense	\$3818	\$0.17	2.92
Total Cash Expenses	\$119088	\$5.23	91.02
Building Depreciation	2118	0.09	1.62
Machinery & Equipment Depreciation	9635	0.42	7.36
Total Depreciation	\$11753	\$0.52	8.98
Total Farm Expenses	\$130841	\$5.74	100.00

Income Summary

		Total \$'s	S's Per Bushel
Tota	al Farm Revenue	125373.00	5.50
Tota	d Cash Expenses	119088.00	5.23
Net	Cash Income	\$6285.00	\$0.28
Plus	: Inventory Change, Supplies	304.00	0.01
Less	: Depreciation Expense	11753.00	0.52
Net	Farm Income	\$(5164.00)	\$(0.23)
1.	Less: Cost for Unpaid Family Labour	1196.97	0.05
	Less: Interest on Equity @ 6%	6589.47	0.29
2.	Labour and Management Income	\$(12950.44)	\$(0.57)

- Unpaid family labour is charged at the farm rates for harvesting and other labour.
 Management labour was charged at \$12 per hour.
- Labour and Management Income represents the amount of income left the operator for his labour and management skills.

Net Cost of Production

Item	Total S's	S's Per Bushel
Total Cash Expenses Less: Non-apple expenses	119088 3818	5.23 0.17
Total Apple Cash Expenses	\$115270	\$5.06
Total Cash Revenue Less: Non-apple Sales	125373 8593	5.50 0.38
Total Cash Sales (Apple Related)	\$116780	\$5.13
Net Cash Return	\$1510	\$0.07
Apple Cash Expenses Plus: Depreciation I (Supplies) Inventory Change Interest on Equity Unpaid Family Labour Operator Labour	11753 304 6589 1197 14744	0.52 0.01 0.29 0.05 0.65
Equals: Net Cost of Producing Apples	\$149857	\$6.58
Total Bushels of Apples Sold Total Pounds of Apples Sold	22785 956987	1 42
Total Apple Sales	\$114605	\$5.03
Net Return of Apple Sales	\$(35252)	\$(1.55)
Plus: Crop Insurance	385	0.02
Total Sales Including Stabilization	\$114990	\$5.05
Net Return Including Stabilization	\$(34867)	\$(1.53
Plus: Subsidy Income	1222	0.05
Total Sales Including Subsidy	\$116212	\$5.10
Net Return Including Subsidy	\$(33645)	\$(1.48
Plus: Miscellaneous Apple Income	568	0.02
Total Sales Including Miscellaneous	\$116780	\$5.13
Net Return Including Miscellaneous	\$(33077)	\$(1.45

Ending supplies inventory less beginning supplies inventory.

Operator labour was charged at \$12/hr. for management labour and \$8/hr. for other labour.

Balance Sheet

	Beginning S's	Ending S's
Current Assets		
Cash	1427	3480
Apple Sales Receivables	37258	49581
Supplies	271	575
Other Current Assets	533	100
Total Current Assets	\$39489	\$53736
Term Assets		
Orchard Land	47431	51435
Other Land	39072	41792
Farm Buildings	26534	23897
Machinery & Equipment	42865	41078
Other Term Assets	4746	5313
Total Term Assets	\$160648	\$163515
TOTAL FARM ASSETS	\$200137	\$217251
Liabilities		
Current Liabilities	24393	17431
Term Liabilities	79356	76559
Total Liabilities	\$103749	\$93990
Owner's Equity	\$96388	\$123261

Financial Analysis

			1996
1.	Liquidity:		
	Current Ratio		3.08
	Working Capital	\$	36305
2.	Solvency:		
	Percent Equity Ratio	%	56.7
	Debt to Equity Ratio		0.76
3.	Profitability:		
	Return on Assets	%	0.0
	Working Capital Solvency: Percent Equity Ratio Debt to Equity Ratio Profitability: Return on Assets Return on Equity Capital Turnover Yea	%	0.0
	Capital Turnover	Years	1.66
4.	Financial Efficiency:		
	Interest as of % of Revenue		6.00
	Disposable Income	\$	11477

Land Use Report

		Acres
Orchard in Apples		66.9
Orchard in Pears		0.8
Orchard in Other Fruit		0.5
Total Orchard		68.2
Cropland and Pasture		47.9
Woodland and Other		210.7
Total Land		326.8
Orchard in Apples, Bearing		56.37
Orchard in Apples, Total		66.90
% of Apples Acreage Bearing		84.26
Total Number of Trees		12617
Total Number of Bearing Trees		9022
Average Density on all Trees	Trees/Acre	188.59
Average Density on Bearing Trees	Trees/Acres	160.05
Average Age of Trees	Years	13.74

Apple Yields	Bushel/B. Acre	Bushel/Tree
Fresh Apples	210.91	1.32
Processing Apples	84.48	0.53
Cider/Juice Apples	108.82	0.68
Total	404.21	2.53

Production & Management Information

Sales Information

Variety	Average S Received Per Bushel
MacIntosh	5.94
Cortland	6.87
Ida Red (Fresh & Processed)	6.04
Gravenstein	7.27
Red Delicious	6.67
Northern Spy (Processed)	5.87
All Varieties (Fresh)	6.37

Yield by Variety

Variety	Bushels Produced	Bushels Per Acre	
MacIntosh	5804	395	
Cortland	2911	555	
Ida Red	1548	364	
Gravenstein	1373	470	
Red Delicious	845	266	
Northern Spy	2115	449	

Labour Analysis

Operation	Total Hours	Hours Per Total Acres	Hours per Bin
Pruning - Summer	41	4.7	0.25
Pruning - Winter	291	24.7	1.30
Mowing	43	2.8	0.15
Fertilizing & Liming	16	0.9	0.05
Spraying	101	4.8	0.25
Repairs & Maintenance	106	4.1	0.22
Harvesting	301	50.7	2.68
Management	779	13.1	0.69
Other	110	9.0	0.47
TOTAL	1788	114.7	6.06

Average Wage Rate

Operation	S/Hour	
Harvest Rate	7.65	
All Other Labour	9.61	